

REMARKS

The amendments made herein are to correct typing and printing errors and add addition background information and other changes in the interest of adding clarity.

A clean copy of the corrected equations 5, 9, 10 and 11 is presented below. The correction is in use of the wrong symbol on either side of  $\Sigma$ .

$$b_j(o_i) = \sum_{m=1}^{N_M} w_m \frac{1}{\sqrt{(2\pi)^{N_F} |\Sigma|}} e^{-\frac{1}{2}(\alpha - \mu)' \Sigma^{-1} (\alpha - \mu)}, \quad (5)$$

$$\tilde{b}_j(o_i) = \sum_{m=1}^{N_M} w_m \frac{1}{\sqrt{(2\pi)^{N_F} |\Sigma|}} e^{-\frac{1}{2}(\alpha - \mu)' (MGM^{-1})' \Sigma^{-1} (MGM^{-1})' (\alpha - \mu)} \quad (9)$$

$$\tilde{b}_j(o_i) = \sum_{m=1}^{N_M} w_m \frac{1}{\sqrt{(2\pi)^{N_F} |\Sigma|}} e^{-\frac{1}{2}(\alpha - \mu)' (N)' \Sigma^{-1} (N)' (\alpha - \mu)} \quad (10)$$

$$\tilde{b}_j(o_i) = \sum_{m=1}^{N_M} w_m \frac{1}{\sqrt{(2\pi)^{N_F} |\Sigma|}} e^{-\frac{1}{2}(\alpha - \mu)' \Sigma^{-1} (\alpha - \mu)} \quad (11)$$

Respectfully submitted;

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